

International Action No.
PCT/JP03/08339

A. CLASS Int.	SIFICATION OF SUBJECT MATTER C1 ⁷ B01J23/46, B01D53/94				
According t	to International Patent Classification (IPC) or to both n	ational classification and IPC			
	OS SEARCHED .				
Int.	documentation searched (classification system followed .Cl ⁷ B01J21/00-38/74, B01D53/94	4			
Jitsı Kokai	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926–1996 Toroku Jitsuyo Shinan Koho 1994–2003 Kokai Jitsuyo Shinan Koho 1971–2003 Jitsuyo Shinan Toroku Koho 1996–2003				
	data base consulted during the international search (name	ne of data base and, where practicable, sean	rch terms used)		
C. DOCU	C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	•	Relevant to claim No.		
X Y	JP 55-11079 A (Hitachi Zosen 25 January, 1980 (25.01.80), Full description (Family: none)	Corp.),	1-5 1-6		
Y Y	JP 54-122690 A (Hitachi Zose 22 September, 1979 (22.09.79) Full description (Family: none)		1-5 1-6		
X · Y	JP 58-17840 A (Matsushita El Co., Ltd.), 02 February, 1983 (02.02.83), Full description (Family: none)	ectric Industrial	1-5 1-6		
	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 24 September, 2003 (24.09.03)		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family Date of mailing of the international search report 07 October, 2003 (07.10.03)			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			



International a tion No.
PCT/JP03/08339

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	EP 813899 A2 (HONDA GIKEN KOGYO KABUSHIKI KAISHA), 29 December, 1997 (29.12.97), Full description & JP 10-5603 A Full description & CN 1174097 A	1-6
Y	JP 10-192715 A (N.E. Chemcat Corp.), 28 July, 1998 (28.07.98), Full description (Family: none)	1-6
Α	JP 7-68176 A (Kabushiki Kaisha ICT), 14 March, 1995 (14.03.95), Claims; example 3 (Family: none)	1-6
A	JP 7-269331 A (HONDA GIKEN KOGYO KABUSHIKI KAISHA), 17 October, 1995 (17.10.95), Claims; description, Par. No. [0011] (Family: none)	1-6
P,A	JP 2003-211002 A (Toyota Motor Corp.), 29 July, 2003 (29.07.03), Claims; examples (Family: none)	1-6
		÷